

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of

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Application Number	05793.3041-00000
Filing Date	August 30, 2007
First Named Inventor	Steven Metsker et al.
Art Unit	3691
Examiner Name	T. HAVAN
Attorney Docket Number	05793.3041-00000

U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS

Examiner Initials	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
				Name of Patentee or Applicant of Cited Document	Name of Patentee or Applicant of Cited Document	
		US-6,643,696 B2	11-04-2003	Davis et al.		
		US-6,460,036	10-01-2002	Herz		
		US-6,442,529 B1	08-27-2002	Krishnan et al.		
		US-6,438,579	08-20-2002	Hosken		
		US-6,415,368	07-02-2002	Glance et al.		
		US-6,412,012	06-25-2002	Bieganski et al.		
		US-6,401,075 B1	06-04-2002	Mason et al.		
		US-6,356,889	03-12-2002	Lohman et al.		
		US-6,334,127	12-25-2001	Bieganski et al.		
		US-6,321,221	11-20-2001	Bieganski		
		US-6,321,179	11-20-2001	Glance et al.		
		US-6,317,782 B1	11-13-2001	Himmel et al.		
		US-6,317,722	11-13-2001	Jacobi et al.		
		US-6,286,043	09-04-2001	Cuomo et al.		
		US-6,285,987 B1	09-04-2001	Roth et al.		
		US-6,266,649	07-24-2001	Linden et al.		
		US-6,226,656	05-01-2001	Zawadski et al.		
		US-6,119,101	09-12-2000	Peckover		
		US-6,112,186	08-29-2000	Bergh et al.		
		US-6,108,493	08-22-2000	Miller et al.		
		US-6,092,049	07-18-2000	Chislenko et al.		
		US-6,085,229	07-04-2000	Newman et al.		
		US-6,064,980	05-16-2000	Jacobi et al.		
		US-6,049,777	04-11-2000	Sheena et al.		
		US-6,041,311	03-21-2000	Chislenko et al.		
		US-6,038,598	03-14-2000	Danneels		
		US-6,018,748	01-25-2000	Smith		
		US-6,018,738	01-25-2000	Breese et al.		
		US-6,016,475	01-18-2000	Miller et al.		
		US-6,006,225	12-21-1999	Bowman et al.		
		US-6,006,218	12-21-1999	Breese et al.		
		US-5,974,396	10-26-1999	Anderson et al.		
		US-5,949,419	09-07-1999	Domine et al.		
		US-5,948,061	09-07-1999	Merriman et al.		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TH/

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Sheet	2	of	6	Attorney Docket Number	05793.3041-00000
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U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS			
	US-5,933,811	08-03-1999	Angles et al.
	US-5,918,014	06-29-1999	Robinson
	US-5,893,909	04-13-1999	Nomura et al.
	US-5,884,282	03-16-1999	Robinson
	US-5,878,384	03-02-1999	Johnson et al.
	US-5,872,850	02-16-1999	Klein et al.
	US-5,867,799	02-02-1999	Lang et al.
	US-5,842,199	11-24-1998	Miller et al.
	US-5,835,087	11-10-1998	Herz et al.
	US-5,825,651	10-20-1998	Gupta et al.
	US-5,794,209	08-11-1998	Agrawal et al.
	US-5,790,426	08-04-1998	Robinson
	US-5,774,868	06-30-1998	Cragun et al.
	US-5,768,142	06-16-1998	Jacobs
	US-5,749,081	05-05-1998	Whiteis
	US-5,704,017	12-30-1997	Heckerman et al.
	US-5,668,987	09-16-1997	Schneider
	US-5,583,763	12-10-1996	Atcheson et al.
	US-5,515,269	05-07-1996	Willis et al.
	US-5,459,306	10-17-1995	Stein et al.
	US-5,383,111	01-17-1995	Homma et al.
	US-5,353,219	10-04-1994	Mueller et al.
	US-5,311,424	05-10-1994	Mukherjee et al.
	US-5,201,010	04-06-1993	Deaton et al.
	US-5,091,852	02-25-1992	Tsuchida et al.
	US-4,996,642	02-26-1991	Hey
	US-4,992,940	02-12-1991	Dworkin
	US-4,870,579	09-26-1989	Hey
	US-4,775,935	10-04-1988	Yourick
	US-2002/0010757A1	01-24-2002	Granik et al.
	US-2002/0019774A1	02-14-2002	Kanter
	US-2002/0032608A1	03-14-2002	Kanter

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TH/

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FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		WO 00/68851	11-16-2000	PCT		
		WO 99/13423	03-18-1999	PCT		
		2 336 925	11-03-1999	Great Britain		
		0 265 083	04-27-1988	EPO		
		0 643 359	03-15-1995	EPO		
		0 751 471	01-02-1997	EPO		
		0 827 063	03-04-1998	EPO		
		1-169605	07-04-1989	Japan		Abstract Only
		WO 97/26729	07-24-1997	PCT		
		WO 98/02835	01-22-1998	PCT		
		WO 98/33135	07-30-1998	PCT		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		Aronson, Brad and Zeff, Robbin, "Advertising on the Internet," Online, http://library.books24x7.com , visited May 16, 2002, Copyright 1999, Chapters 3 and 6.	
		Matthias Jarke et al., "Query Optimization in Database Systems," Computing Surveys, Vol. 16, No. 2, June 1984, pp 111-152	
		Gerard Salton et al., "Term-Weighting Approaches in Automatic Text Retrieval," Information Processing & Management, Vol. 24, No. 5, January 1988, pp 513-523	
		John A. Swets, "Measuring the Accuracy of Diagnostic Systems," Articles, Science, Vol. 240, June 3, 1988, pp 1285-1293	
		Nicholas J. Belkin et al., "Information Filtering and Information Retrieval: Two Sides of the Same Coin?," Communications of the ACM, Vol. 35, No. 12, December 1992, pp 29-38	
		Earl Cox, "How a Machine Reasons: Part 8," AI Expert, Vol. 8, No. 3, March 1993, pp 13-14	
		David A. Maltz, "Distributing Information for Collaborative Filtering on Usenet Net News," Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology, May 1994, pp 1-78	
		Pattie Maes, "Agents that Reduce Work and Information Overload," Communications of the ACM, Vol. 37, No. 7, July 1994, pp 31-40 and 146	
		M.W. Berry et al., "Using Linear Algebra for Intelligent Information Retrieval," Department of Computer Science, University of Tennessee, Knoxville, TN, Information Science Research Group, Bellcore, Morristown, NJ, December 1994, pp 1-24	
		Paul Resnick et al., "GroupLens: An Open Architecture for Collaborative Filtering of Netnews," CSCW, 1994, pp 175-186	
		Upendra Shardanand et al., "Social Information Filtering: Algorithms for Automating 'Word of Mouth,'" Chi '95 Conference Proceedings on Human Factors in Computing Systems, May 7-11, 1995, pp 210-217	
		Pat Langley et al., "Applications of Machine Learning and Rule Induction," Communications of the ACM, Vol. 38, No. 11, November 1995, pp 54-64	
		Curtis H.K. Tsang et al., "An Object Oriented Intelligent Tourist Advisor System," Proc. 1996 Australian New Zealand Conf. on Intelligent Information Systems, Adelaide, Australia, November 18-20, 1996, pp 1-4	
		Net Perceptions, Inc., White Paper, "Building Customer Loyalty and High-Yield Relationships Through GroupLens™," http://www.netperceptions.com/whitepaper.html , (Visited November 22, 1996), pp 1-9	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TH/

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(Use as many sheets as necessary)

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Attorney Docket Number	05793.3041-00000			

Sheet

4

of

6

NON PATENT LITERATURE DOCUMENTS				
		Paul Resnick et al., "Recommender Systems," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 56-58		
		Loren Terveen et al., "Phoaks: A System for Sharing Recommendations," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 59-62		
		Henry Kautz et al., "Referral Web: Combining Social Networks and Collaborative Filtering," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 63-65		
		Marko Balabanović et al., "Fab: Content-Based, Collaborative Recommendation," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 66-72		
		James Rucker et al., "SiteSeer: Personalized Navigation for the Web," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 73-76		
		Joseph A. Konstan et al., "GroupLens: Applying Collaborative Filtering to Usenet News," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 77-87		
		Christopher Avery et al., "Recommender Systems for Evaluating Computer Messages," Communications of the ACM, Vol. 40, No. 3, March 1997, pp 88-89		
		Henry Lieberman, "Autonomous Interface Agents," Papers, Chi 97, March 22-27, 1997, pp 67-74		
		Richard V. Dragan et al., "Advice from the Web," PC Magazine, Vol. 16, No. 15, September 1997, pp 133-137		
		Paul McJones et al., "Each to Each Programmer's Reference Manual," SRC Technical Note, October 1997, pp 1-16		
		Chris Locke, "Intelligent Agents Create Dumb Users (?)," Online & CDROM Review, Vol. 21, No. 6, 1997, pp 369-372		
		Bradley N. Miller et al., "Experiences with GroupLens: Making Usenet Useful Again," Usenix Association, Annual Technical Conference, 1997, pp 219-233		
		Al Borchers et al., "Ganging up on Information Overload," Computer, April 1998, pp 106-108		
		Stefania Montani et al., "A Case-Based Retrieval System for Diabetic Patients Therapy," Proceedings on the Third International Conference on Neural Networks and Expert Systems in Medicine Healthcare, Pisa, Italy, September 2-4, 1998, pp 160-168		
		John S. Breese et al., "Empirical Analysis of Predictive Algorithms for Collaborative Filtering," Technical Report MSR-TR-98-12, Microsoft Research, Redmond, WA, October 1998, pp 1-20		
		Marc Johnson et al., "Direct E-mail: Winning Long-term Consumer Attention," Jupiter Communications, December 1998, pp 1-26		
		Badrul M. Sarwar et al., "Using Filtering Agents to Improve Prediction Quality in the GroupLens Research Collaborative Filtering System," CSCW, 1998, pp 345-354		
		Chumki Basu et al., "Recommendation as Classification: Using Social and Content-Based Information in Recommendation," American Association for Artificial Intelligence, 1998, pp 714-720		
		Gary Boone, "Concept Features in Re:Agent, an Intelligent Email Agent," Autonomous Agents, 1998, pp 141-148		
		Jonathan L. Herlocker et al., "An Algorithmic Framework for Performing Collaborative Filtering," Dept. of Computer Science and Engineering, University of Minnesota, 1999, pp 1-8		
		Nathaniel Good et al., "Combining Collaborative Filtering with Personal Agents for Better Recommendations," American Association for Artificial Intelligence, 1999, pp 1-8		
		Robert O'Harrow Jr., "Private or Not?," Washington Post, http://www.washingtonpost.com/cgi-bin/gx.cgi/AppL , May 17, 2000, (Visited June 13, 2000), pp 1-4		
		Susan Stellin, "Internet Companies Learn How to Personalize Service," E-Commerce Report, August 2000, http://www.nytimes.com/library/tech/00/08/cyber/commerce/28commerce.html , (Visited August 28, 2000), pp 1-5		
		George Karypis, "Suggest: Top-N Recommendation Engine Version 1.0," University of Minnesota, Department of Computer Science/Army HPC Research Center, Minneapolis, MN, November 2000, pp 1-11		
		Ming C. Hao et al., "Visualization of Directed Association in E-Commerce Transaction Data," Department of Computer Science, Swiss Federal Institute of Technology, Zurich, Switzerland, December 2000, pp 1-7		
		Badrul Sarwar et al., "Item-based Collaborative Filtering Recommendation Algorithms," WWW10, May 1-5, 2001, Hong Kong, pp 1-15		
		Luis Mateus Rocha, "Adaptive Recommendation and Open-Ended Semiosis," Kybernetes, Vol. 30, No. 5-6, 2001, pp 1-28		
		"Imagine: Extracting Knowledge from Large Collections," http://teefix.fernuni-hagen.de/~ferber/imagine/ , (Visited January 3, 2002), pp. 1-2		

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /TH/

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Sheet

5

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6

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NON PATENT LITERATURE DOCUMENTS

"Imagine: Interaction Merger for Associations Gained by Inspection of Numerous Exemplars," http://teefix.fernuni-hagen.de/~ferber/imagine/imagine-info-engl.html , (Visited January 3, 2002), pp 1-4	
George Karypis, "Evaluation of the Item-Based Top-N Recommendation Algorithms," University of Minnesota - Computer Science and Engineering, September 2000, https://wwws.cs.umm.edu/techreports/listing/list-report.cgi , (Visited February 4, 2003), pp 1-14	
J. Ben Schafer et al., "Recommender Systems in E-Commerce," Department of Computer Science and Engineering, University of Minnesota, Minneapolis, MN, pp 1-9	
Andreas Geyer-Schulz et al., "A Customer Purchase Incidence Model Applied to Recommender Services," pp 1-11	
Elias N. Houstis et al., "PYTHIA-II: A Knowledge/Database System for Managing Performance Data and Recommending Scientific Software," Dept. of Computer Sciences, Purdue University, West Lafayette, IN, College of Information Science & Tech., Drexel University, Philadelphia, PA, Dept. of Computer Science, Virginia Tech, Blacksburg, VA, and Dept. of Computer Science, University of Crete, Heraklion, Greece, pp 1-24	
Kwok-Wai Cheung et al., "Mining Customer Product Ratings for Personalized Marketing," Department of Computer Science, Hong Kong Baptist University, Kowloon Tong, Hong Kong, and Department of Computer Science, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, pp 1-21	
Olfa Nasraoui et al., "Mining Web Access Logs Using Relational Competitive Fuzzy Clustering," pp 1-5	
John Canny, "Collaborative Filtering with Privacy via Factor Analysis," Computer Science Division, University of California, Berkeley, CA, pp 1-8	
David Maltz et al., "Pointing the way: active collaborative filtering," Dept. of Computer Science, Carnegie-Mellon University, Pittsburgh, PA and Lotus Development Corporation, Cambridge, MA, pp 1-11	
Christos Faloutsos et al., "A Survey of Information Retrieval and Filtering," University of Maryland, College Park, MD, pp 1-22	
William W. Cohen, "Fast Effective Rule Induction," AT&T Bell Laboratories, Murray Hill, NJ, pp 1-9	
Will Hill et al., "Recommending and Evaluating Choices in a Virtual Community of Use," Bellcore, Morristown, NJ, pp 1-12	
William W. Cohen, "Learning Rules that Classify E-Mail," AT&T Laboratories, Murray Hill, NJ, pp 1-8	
C.E. Unterberg, Towbin, "Beyond the Banner: the birth of email marketing," pp 1-72	
Anupam Joshi et al., "Robust Fuzzy Clustering Methods to Support Web Mining," Department of Computer Engineering and Computer Science, University of Missouri, Columbia, MO and Department of Mathematical and Computer Sciences, Colorado School of Mines, Golden, CO, pp 1-9	
Net Perceptions: GroupLens Toolkit, http://web.archive.org/web/19970418053016/www.netperceptions.com/product.html (Visited December 8, 2003), pp 1-2	
Net Perceptions: Company Overview, http://web.archive.org/web/19970418053001/www.netperceptions.com/company.html (Visited December 8, 2003), pp 1-2	
"Home Box Office Selects Like Minds Personalization Software for Second Network Site," PR Newswire, November 17, 1997	
"Net Perceptions Closes Second Round of Financing; GroupLens secures No. 1 recommendation system spot with strong endorsement by investment community," Business Wire, March 2, 1998	
"Net Perceptions Debuts GroupLens Version 3.0 at Internet World Spring; 'Industrial Strength Tool Matures Into Essential Website Technology,'" Business Wire, March 9, 1998	
"Fort Point Partners Teams With Like Minds to Offer Breakthrough Personalization Technology for Increased Sales Online," Business Wire, March 11, 1998	
"LinkShare Launches Affiliates Profiling Software; First to Integrate Personalization Software Into Affiliates Program," PR Newswire Association Inc., February 24, 2998	
"GroupLens Recommendation Engine to Standardize Internet Personalization For Singapore's Online Technologies Consortium," Business Wire, June 17, 1998	

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6

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NON PATENT LITERATURE DOCUMENTS		
	Net Perceptions, "Investor Information," http://www.corporate-ir.net/ireye/ir_site.zhtml?ticker=NETP&script=410&layout=6&item (Visited December 2, 2002), pp 1-2	
	"Net Perceptions Launches Comprehensive Hosted Marketing Services for eRetailers," http://biz.yahoo.com/bw/000712/mm_net_per.html (Visited July 12, 2000), pp 1-3	

Examiner Signature	/Thu Thao Havan/	Date Considered	01/05/2009
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